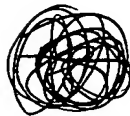
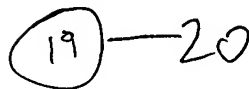
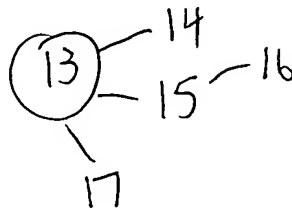
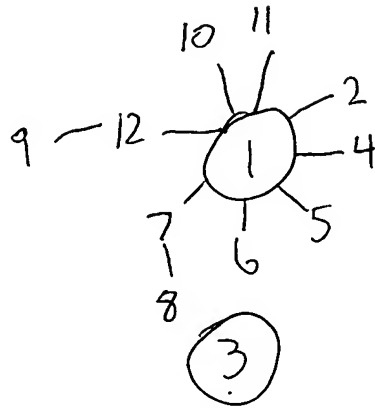


07/22/05 Claim Tree for 10/690296



| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|--------|--|---|------------------|---------|------------------|
| S1 | 1330 | 347/101 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/21 11:42 |
| S2 | 1513 | 347/104 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:37 |
| S3 | 1229 | 347/105 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:37 |
| S4 | 508 | 347/3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:37 |
| S5 | 286 | 347/4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:37 |
| S6 | 964 | 347/5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:38 |
| S7 | 647565 | (duplex or double or side) same (print\$4 or record\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:40 |
| S8 | 844 | S1 and S7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:39 |

07/22/05 EAST Search

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| S9 | 1226 | S2 and S7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:39 |
| S10 | 797 | S3 and S7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:40 |
| S11 | 351 | S4 and S7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:40 |
| S12 | 209 | S5 and S7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:40 |
| S13 | 576 | S6 and S7 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:40 |
| S14 | 345524 | (duplex or double or side) with (print\$4 or record\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:41 |
| S15 | 762 | S1 and S14 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:40 |
| S16 | 1146 | S2 and S14 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:40 |

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| S17 | 655 | S3 and S14 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:41 |
| S18 | 306 | S4 and S14 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:41 |
| S19 | 187 | S5 and S14 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:41 |
| S20 | 490 | S6 and S14 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:41 |
| S21 | 45797 | (duplex or double) with (print\$4 or record\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 10:35 |
| S22 | 149 | S1 and S21 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:41 |
| S23 | 222 | S2 and S21 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:41 |
| S24 | 990444 | S3 nd S21 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:42 |

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| S25 | 110 | S3 and S21 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:42 |
| S26 | 59 | S4 and S21 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:42 |
| S27 | 19 | S5 and S21 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:42 |
| S28 | 1602 | S6 and21 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:42 |
| S29 | 102 | S6 and S21 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:42 |
| S30 | 149 | S22 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/18 15:42 |
| S31 | 12 | ((("5610637") or ("5657060") or ("5729257") or ("5877786") or ("6039425") or ("6193348") or ("6227639") or ("6338545") or ("20030053501") or ("6554401") or ("6568778") or ("6598959")). PN. | US-PGPUB; USPAT | OR | OFF | 2005/07/19 10:33 |
| S32 | 1334 | 347/101 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 10:34 |

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| S33 | 1519 | 347/104 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 10:34 |
| S34 | 508 | 347/3 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 10:34 |
| S35 | 288 | 347/4 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 10:34 |
| S36 | 965 | 347/5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 10:34 |
| S37 | 1232 | 347/105 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 10:34 |
| S38 | 67203 | (duplex or ((double or two) same side\$2)) with (print\$4 or record\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 10:36 |
| S39 | 216 | S32 and S38 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 10:36 |
| S40 | 357 | S33 and S38 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 10:37 |

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| S41 | 76 | S34 and S38 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 10:37 |
| S42 | 49 | S35 and S38 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 10:37 |
| S43 | 120 | S36 and S38 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 10:37 |
| S44 | 129 | S37 and S38 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 10:37 |
| S45 | 216 | S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 11:14 |
| S46 | 262 | S40 not S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:05 |
| S47 | 0 | S40 not "911" not S40 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:05 |
| S48 | 59 | S41 not S40 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:05 |

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| S49 | 56 | S48 not S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:12 |
| S50 | 42 | S42 not S41 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:13 |
| S51 | 27 | S50 not S40 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:13 |
| S52 | 24 | S51 not S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:15 |
| S53 | 112 | S43 not S42 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:15 |
| S54 | 96 | S53 not S41 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:15 |
| S55 | 86 | S54 not S40 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:15 |
| S56 | 81 | S55 not S39 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:25 |

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|-----|------|--|---|----|----|------------------|
| S57 | 2844 | coat\$4 with rough\$4 with base | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:33 |
| S58 | 10 | S37 and S57 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:27 |
| S59 | 9493 | 428/195 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:27 |
| S60 | 143 | 428/32.1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:27 |
| S61 | 71 | S59 and S57 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:27 |
| S62 | 0 | S60 and S57 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:27 |
| S63 | 71 | S61 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:27 |
| S64 | 261 | coat\$4 same granular same rough\$4 same base | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:34 |

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|-----|------|---------------------------------|---|----|-----|------------------|
| S65 | 0 | S37 and S64 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:33 |
| S66 | 0 | S59 and S64 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:34 |
| S67 | 3655 | coat\$4 same granular same base | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:34 |
| S68 | 1 | S37 and S67 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:35 |
| S69 | 6 | S59 and S67 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:35 |
| S70 | 3946 | base same granular same layer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:36 |
| S71 | 1 | S37 and S70 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:36 |
| S72 | 9 | S59 and S70 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 12:59 |
| S73 | 1 | ("20030007054").PN. | US-PGPUB; USPAT | OR | OFF | 2005/07/19 13:30 |
| S74 | 1 | ("5615872").PN. | US-PGPUB; USPAT | OR | OFF | 2005/07/19 13:35 |

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|-----|---------|-----------------------|---|----|-----|------------------|
| S75 | 1 | ("20020024575").PN. | US-PGPUB; USPAT | OR | OFF | 2005/07/19 14:06 |
| S76 | 1 | ("20040001134").PN. | US-PGPUB; USPAT | OR | OFF | 2005/07/19 14:37 |
| S77 | 1232 | 347/105 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/19 14:37 |
| S78 | 9493 | 428/195 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/19 14:38 |
| S79 | 143 | 428/32.1 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/19 14:38 |
| S80 | 25075 | base with rough\$5 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/19 14:57 |
| S81 | 2471257 | (coat\$4 or granular) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/19 14:59 |
| S82 | 4367 | S80 same S81 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/19 14:40 |
| S83 | 16 | S77 and S82 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/19 14:40 |
| S84 | 105 | S78 and S82 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/19 14:40 |

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| S85 | 0 | S79 and S82 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/19 14:40 |
| S86 | 16 | S83 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/19 14:40 |
| S87 | 241892 | (base or support\$4 or substrat\$3 or medium or paper) same (rough\$5) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/07/19 14:58 |
| S88 | 37120 | S87 same S81 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/19 14:59 |
| S89 | 84 | S77 and S88 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/19 14:59 |
| S90 | 615 | S78 and S88 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/19 15:00 |
| S91 | 663 | (S77 or S78 or S79) and S88 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2005/07/19 15:01 |
| S92 | 1 | ("4559256").PN. | US-PGPUB; USPAT | OR | OFF | 2005/07/21 11:45 |
| S93 | 1 | ("5143904").PN. | US-PGPUB; USPAT | OR | OFF | 2005/07/21 11:47 |
| S94 | 1 | ("6158835").PN. | US-PGPUB; USPAT | OR | OFF | 2005/07/21 12:58 |
| S95 | 1500 | 347/20 | US-PGPUB; USPAT | OR | OFF | 2005/07/21 12:59 |

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| S96 | 7 | (frequenc\$4 with "kHz") same (nozzle with area) same (nozzle with dpi) | US-PGPUB; USPAT | OR | ON | 2005/07/21 13:09 |
| S97 | 31 | (frequenc\$4 with "kHz") and (nozzle with (((cross adj sectional) or "cross-sectional") adj area)) and (nozzle with dpi) | US-PGPUB; USPAT | OR | ON | 2005/07/21 13:11 |
| S98 | 23 | (frequenc\$4 with "kHz") and (nozzle with (((cross adj sectional) or "cross-sectional") adj area)) and (nozzle with dpi) and color | US-PGPUB; USPAT | OR | ON | 2005/07/21 14:02 |
| S99 | 11 | ((("6679600") or ("6502934") or ("6487382") or ("6250754") or ("6508169") or ("20030007054") or ("5615872") or ("6144814") or ("6435562") or ("20020024575") or ("6669190")).PN. | US-PGPUB; USPAT | OR | OFF | 2005/07/21 14:06 |
| S100 | 11 | (US-20020024575-\$ or US-20030007054-\$).did. or (US-5615872-\$ or US-6144814-\$ or US-6250754-\$ or US-6435562-\$ or US-6487382-\$ or US-6502934-\$ or US-6508169-\$ or US-6669190-\$ or US-6679600-\$).did. | US-PGPUB; USPAT | OR | OFF | 2005/07/21 14:07 |
| S101 | 7 | ((US-20020024575-\$ or US-20030007054-\$).did. or (US-5615872-\$ or US-6144814-\$ or US-6250754-\$ or US-6435562-\$ or US-6487382-\$ or US-6502934-\$ or US-6508169-\$ or US-6669190-\$ or US-6679600-\$).did.) and (memory or data) | US-PGPUB; USPAT | OR | OFF | 2005/07/21 14:12 |
| S102 | 890 | head with nozzle with dpi | US-PGPUB; USPAT | OR | ON | 2005/07/21 14:12 |
| S103 | 60 | S95 and S102 | US-PGPUB; USPAT | OR | ON | 2005/07/21 16:55 |
| S104 | 2 | ((("5639441") or ("3457949")).PN. | US-PGPUB; USPAT | OR | OFF | 2005/07/21 16:56 |